

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 25   | (rotation near angle) and (cylinder or cylindrical) and gap and (sensor or detector) and ((bias or biasing) adj magnet) and magnets | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 10:53 |
| L2    | 4    | (rotation near angle) and oval and gap and (sensor or detector) and ((bias or biasing) adj magnet) and magnets                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 10:51 |
| L3    | 4    | (rotation near angle) and (ellipse or elliptical) and gap and (sensor or detector) and ((bias or biasing) adj magnet) and magnets   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 10:51 |
| L4    | 3    | 3 not 2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 10:52 |
| L5    | 932  | (rotation near angle) and (cylinder or cylindrical) and gap and (sensor or detector) and magnets                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 10:54 |
| L6    | 61   | ((rotation near angle) near (sensor or detector)) and (cylinder or cylindrical) and gap and magnets                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 11:06 |
| L7    | 42   | 6 not actuator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/25 11:06 |
| S1    | 1    | ("6414482").PN.   | USPAT;<br>USOCR   | OR               | OFF     | 2005/08/23 09:55 |
| S2    | 1    | ("4983915").PN.   | USPAT;<br>USOCR   | OR               | OFF     | 2005/08/22 15:15 |

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| S3  | 1     | S2 and stator and rotor and magnet                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/22 15:16 |
| S4  | 2     | ("3194990").PN.  | USPAT;<br>USOCR   | OR | OFF | 2005/08/23 09:56 |
| S5  | 2     | ("0163335").PN.  | USPAT;<br>USOCR   | OR | OFF | 2005/08/23 09:56 |
| S6  | 0     | ("20020163335").PN.                                      | USPAT;<br>USOCR   | OR | OFF | 2005/08/23 09:57 |
| S7  | 0     | ("10108182").PN.   | USPAT;<br>USOCR   | OR | OFF | 2005/08/23 09:57 |
| S8  | 0     | "10108182".an.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/23 09:57 |
| S9  | 2     | "20020163335".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/23 10:23 |
| S10 | 13135 | rotor and stator and magnet and<br>(sensor or detect\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:42 |
| S11 | 4464  | cylindrical and S10                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:43 |
| S12 | 2562  | cylinder and S10   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:43 |
| S13 | 5448  | S11 or S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/23 10:25 |

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| S14 | 43168    | rotation adj angle   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2005/08/23 10:25 |
| S15 | 318      | S13 and S14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2005/08/23 13:53 |
| S16 | 844      | magnet and (sensor or detector or hall) and gap and (rotation adj angle) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2005/08/23 13:53 |
| S17 | 2553     | (324/207.2\$).CCLS.  | USPAT;<br>USOCR   | OR  | OFF | 2005/08/23 13:54 |
| S18 | 62       | S16 S17  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2005/08/23 14:11 |
| S19 | 782      | S16 not S18  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2005/08/23 14:11 |
| S20 | 434      | S19 and (cylinder or cylindrical)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2005/08/23 14:13 |
| S21 | 22954809 | @ad<="20020930"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2005/08/23 14:13 |
| S22 | 310      | S20 S21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2005/08/23 14:14 |

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| S23 | 170   | S22 not (optic or optical)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/23 14:46 |
| S24 | 87    | S22 not coil   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/23 14:46 |
| S25 | 46    | S24 not S23  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/23 16:43 |
| S26 | 1     | ("4999531").PN.  | USPAT;<br>USOCR   | OR | OFF | 2005/08/23 17:12 |
| S27 | 2     | ("2920179").PN.  | USPAT;<br>USOCR   | OR | OFF | 2005/08/23 17:13 |
| S28 | 13135 | rotor and stator and magnet and<br>(sensor or detect\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:42 |
| S29 | 13135 | rotor and stator and magnet and<br>(sensor or detect\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:43 |
| S30 | 4464  | cylindrical and S29                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:43 |
| S31 | 2562  | cylinder and S29   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:43 |
| S32 | 5448  | S30 S31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 10:44 |

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| S33 | 71    | S32 and (first adj magnet) and (second adj magnet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:02 |
| S34 | 8     | S33 and (third adj magnet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 10:50 |
| S35 | 63    | S33 not S34  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:01 |
| S36 | 1     | S35 and (rotation adj angle)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:02 |
| S37 | 9     | (rotation with angle) and (first adj magnet) and (second adj magnet) and (third adj magnet) and gap and (sensor or detector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:07 |
| S38 | 2     | ep-1065473-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:12 |
| S39 | 1     | de-19634281-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:15 |
| S40 | 19192 | makino.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 11:15 |

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| S41 | 165  | makino-masahiro.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 11:22 |
| S42 | 1    | ("6693424").PN.  | USPAT;<br>USOCR   | OR | OFF | 2005/08/24 11:23 |
| S43 | 1    | "6268722".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:23 |
| S44 | 1    | "5798639".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:24 |
| S45 | 1    | "6268722".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:24 |
| S46 | 1    | "6356073".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:24 |
| S47 | 1    | "6414482".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:24 |
| S48 | 1    | "6448762".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:26 |
| S49 | 1    | "6476600".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:27 |
| S50 | 1    | "6501265".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:27 |
| S51 | 1    | "6559637".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:27 |
| S52 | 9    | ("5459399"   "5798639"  <br>"6268722"   "6356073"   "6414482"<br>  "6448762"   "6476600"  <br>"6501265"   "6559637").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/24 11:28 |
| S53 | 1    | "5798639".PN.  | USPAT;<br>USOCR   | OR | ON  | 2005/08/24 11:29 |
| S54 | 0    | ("6693424").URPN.  | USPAT   | OR | ON  | 2005/08/24 11:30 |
| S55 | 0    | jp-2001004315-\$.did.  | USPAT   | OR | ON  | 2005/08/24 15:32 |
| S56 | 5847 | rotor and stator and (plurality of<br>magnets) and gap and (sensor or<br>detector)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 17:19 |
| S57 | 382  | S56 and (rotation adj angle)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/24 15:34 |

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| S58 | 0    | S57 and (plurality adj of adj magnets)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2005/08/24 15:34 |
| S59 | 110  | rotor and stator and (plurality of magnets) and gap and (sensor or detector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/08/24 15:40 |
| S60 | 0    | rotor and stator and (plurality of magnets) and gap and (sensor or detector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2005/08/24 15:41 |
| S61 | 6956 | rotor and stator and gap and (sensor or detector)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2005/08/24 15:43 |
| S62 | 283  | S61 and (plurality near magnets)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2005/08/24 15:47 |
| S63 | 3    | S62 and (first adj magnet) and (second adj magnet) and (third adj magnet)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2005/08/24 15:46 |
| S64 | 5    | S62 and (second adj magnet) and (third adj magnet)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2005/08/24 15:46 |
| S65 | 2    | S64 not S63  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2005/08/24 15:46 |

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| S66 | 277 | S62 not gyroscope                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 15:48 |
| S67 | 211 | S66 not pump                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 15:48 |
| S68 | 206 | S67 not impeller                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 15:49 |
| S69 | 201 | S68 not levitation                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 15:49 |
| S70 | 199 | S69 not (tape adj player)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:29 |
| S71 | 134 | S70 and (cylinder or cylindrical) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:29 |
| S72 | 15  | S71 not motor                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 16:42 |
| S73 | 119 | S71 not S72                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 16:51 |



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| S74 | 119    | S73 not levitator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:23 |
| S75 | 119    | S74 not levitate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 16:52 |
| S76 | 169602 | gap and (sensor or detector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:20 |
| S77 | 135386 | ((rotation near angle) near<br>(detector or sensor)) or ((position<br>adj sensor) or (position adj<br>detector))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:25 |
| S78 | 16184  | S76 and S77  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:22 |
| S79 | 5139   | S78 and magnets  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:22 |
| S80 | 3749   | S79 not (levitator or levitate or<br>levitation or gyroscope or pump or<br>(brush\$1less adj motor))                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:23 |
| S81 | 7131   | ((rotation near angle) near<br>(detector or sensor)) or ((position<br>adj sensor) or (position adj<br>detector)) and S80 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:26 |

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| S82 | 3749 | (((rotation near angle) near (detector or sensor)) or ((position adj sensor) or (position adj detector))) and S80 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:28 |
| S83 | 3694 | S82 not (shimomura or nakamura or takeda or kono or kawashima or hamaoka).in.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:28 |
| S84 | 1820 | S83 and (cylinder or cylindrical)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:29 |
| S85 | 1819 | S84 not (tape adj player)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:30 |
| S86 | 1804 | S85 not (tape adj head)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:31 |
| S87 | 1484 | S86 and @ad<="20020930"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:33 |
| S88 | 1472 | S87 not (fuel adj inject44 or coin)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:34 |
| S89 | 1410 | S87 not ((fuel adj inject\$4) or coin)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:35 |

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| S90 | 1165 | S89 not (lens or camera) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:36 |
| S91 | 837  | S90 not optical          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/24 17:36 |